

Technical data

BS 1300 from HASLE Refractories A/S

		HASLE
		BS 1300
Chemical analysis:		
Al ₂ O ₃	%	46
TiO ₂	%	1,7
SiO ₂	%	36
Fe ₂ O ₃	%	6,0
CaO.....	%	10,0
SiC.....	%	-
Physical data:		
Refractoriness	PCE	15
Max. service temperature	°C	1300
Bulk density	kg/m ³	2000
Max. grain size	mm	10
Modulus of rupture		
after heating to:	110°C MPa	7
	500°C MPa	5
	1000°C MPa	4
	1500°C MPa	-
Cold crushing strength		
after heating to:	110°C MPa	50
	500°C MPa	40
	1000°C MPa	35
	1500°C MPa	-
Drying shrinkage:		
	110°C %	0,2
Linear shrinkage		
excl. drying shrinkage		
after heating to:	500°C %	- 0,2
	1000°C %	0,1
	1500°C %	-
Thermal conductivity:		
	400°C W/mK	0,60
	800°C W/mK	0,69
	1200°C W/mK	0,79
Alkali test (scale 0-10)		9
Resistance to abrasion.....	g/cm ²	0,50
Resistance to thermal shock		Good
Reversible linear expansion		
to 1000°C.....	%	0,55
Average water addition.....	%	12

Alkali test

The alkali test according to DIN 51069, page 2, as slight, medium or heavy. This evaluation is supplemented with the 0-10 points scale of HASLE Refractories A/S, which system in principle states the depth of attack in mm. The above data are subject to normal deviation and should not be used as specifications.

The technical data represent average reference values established by DIN- and EN-test procedures in our ceramic laboratory. They serve to give general information, they are liable to natural deviations, and they are not to be cited as guaranteed properties or guaranteed values.